STK#
31514

eem File System
Sec.
4000

POWER SUPPLIES UNLIMITED

NJE CORPORATION Kenilworth, New Jersey

NJE CORP., KENILWORTH, N. J.

Spare Parts List

Model: TR 18-3

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	** Rec. Spare	*Rec. Vendor
	SCHEMATIC	100593	x		23
	Printed. ckt. ass'y 58-PC-1	402091	1	1	23
B1	Blower	1B	1	1	3
C1	Cap, fixed, elect 900MF, 80V	5CE-80-900	2	1	17
C2	Cap, fixed, elect 1000MF, 50V	5CE-50-1000	1	1	17
C3	Cap, fixed, elect 300MF, 150V	5CE-150-300	2	1	17
C4	Same As C3				
C5	Cap, fixed, tant 1.5MF, 50V	1CT-50-1.5	1	1	17
C6	Cap, fixed, ceramic 0.1MF, 75V	1CC-75-0.1	1	1	7
C7	Cap, fixed, ceramic 0.003MF, 150V	1CC-150-0.003	1	1	7

* Recommended vendors are listed at the end with serial cross references.

** Recommended spares are for one unit for one year service.

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Std. App.

Ref. Des.	Description	NJE Part No.	Qty	**Rec. Spare	* Rec. Vendor
CR1	Semicond. device diode	1N1909	4	1	34
CR2	Same As CR1				
CR3	Semicond. device diode	CER 530	4	1	29
CR4	Same As CR3				
CR5	Same As CR3				
CR6	Same As CR3				
CR7	Semicond. device diode	1N1938 ±5%	2	1	24
CR8	Semicond. device diode	1N1357R	1	1	34
CR9	Same As CR7				
DS1	Lamp, Glow	1DS-115-MB-N	1	1	13
F1	Fuse, cartridge 2A, 250V	1FFB-250-2	1	5	21
F2	Fuse, cartridge 3A, 250V	1FFB-250-3	1	5	21

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Spare Parts List

Model: TR 18-3

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	** Rec. Spare	*Rec. Vendor
J1	Binding Post	1J-R	1	1	32
J2	Binding Post	1J-B	2	1	32
J3	Same As J2				
M1	Ammeter 0-3 ADC	1M2-3ADC	1	1	16
M2	Voltmeter 0-20VDC	1M2-20VDC	1	1	16
Q1	Semicond. device transistor	2N1124	1	1	26
Q2	Semicond. device transistor	2N241A	3	1	16
Q3	Semicond. device transistor	2N1146	3	1	26
Q4	Same As Q3				
Q5	Same As Q3				
Q6	Semicond. device transistor	2N445A	2	1	18
Q7	Same As Q6				
Q8	Same As Q2				
Q9	Same As Q2				

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NJE CORP., KENILWORTH, N. J.

Spare Parts List

Model: TR 18-3

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	**Rec. Spare	*Rec. Vendor
R1	Not Used				
R2	Res, Fixed, WW 0.5, 5W	2RFW-5-0.5	3	1	33
R3	Same As R2				
R4	Same As R2				
R5	Res, Fixed, WW 3900, 3W	2RFW-3-3900	1	1	33
R6	Res, Fixed, WW 1500, 10W	2RFW-10-1500	3	1	33
R7	Res, Fixed, Comp 5600, 2W	1RFC-2-5600	1	1	1
R8	Res, Fixed, Comp 5600, 1/2W	1RFC-1/2-5600	1	1	1
R9	Res, Fixed, Comp 2700, 1/2W	1RFC-1/2-2700	2	1	1
R10	Res, Fixed, WW 600, 10W	2RFW-10-600	1	1	31
R11	Res, Fixed, Comp 220, 2W	1RFC-2-220	1	1	1
R12	Same As R9				

* Recommended vendors are listed at the end with serial cross references.

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NJE CORP., KENILWORTH, N. J.

Spare Parts List

Model: TR 18-3 Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	**Rec. Spare	*Rec. Vendor
R13	Res, Fixed, Comp 10K, 1/2W	1RFC-1/2-10K	3	1	1
R14	Same As R13				
R15	Res, Fixed, WW 560, 3W	2RFW-3-560	2	1	33
R16	Res, Var, WW 2500, 2W	1RVW-2-2500-N	1	1	9
R17	Same As R15				
R18	Res, Var, WW 500, 1/4W	4RVW-1/4-500	1	1	5
R19	Not Used				
R20	Res, Var, WW 5000, 1/4W	4RVW-1/4-5000	1	1	5
R21	Same As R13				
R22	Res, Fixed, Comp 100 1/2W	1RFC-1/2-100	1	1	1

* Recommended vendors are listed at the end with serial cross references.

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NJE CORP., KENILWORTH, N. J.

Spare Parts List

Model: TR 18-3

Proj. App.

Std. App.

Ref. Des.	Description	NJE Part No.	Qty	** Rec. Spare	* Rec. Vendor
S1	Switch, toggle	1SW-SPST	1	1	19
T1	Transformer	202899	1	1	23
TB1	Term Board	1TB-14-12	1	-	8
XDS1	Lampholder	1XDS-R	1	-	13
XF1	Fuseholder	1XF	2	-	6
XF2	Same As XF1				
XQ6	Socket, transistor	1XQ-MC	4	-	14
XQ7	Same As XQ6				
XQ8	Same As XQ6				
XQ9	Same As XQ6				

* Recommended vendors are listed at the end with serial cross references.

** Recommended spares are for one unit for one year service.

List of Code Numbers used in

Spare Parts List

To Indicate Manufacturer

Code Number	Manufacturer	Location
1	Allen-Bradley Co.	Milwaukee, Wisconsin
2	Astron	East Newark, N. J.
3	Barber Colman Co.	Rockford, Illinois
4	Helipot (Div. of Beckman Inst.)	Fullerton, Calif.
5	Bourns Inc.	Riverside, Calif.
6	Bussmann (Div. of McGraw-Edison)	St. Louis, Mo.
7	Centralab Elec. (Div. Globe-Union)	Milwaukee, Wisc.
8	Cinch Mfg. Co. (H.B. Jones Div.)	Chicago, Ill.
9	Clarostat Mfg. Co.	Dover, New Hampshire
10	Clevite Transistor	Waltham, Mass.
11	Columbus Electronics	Yonkers, N. Y.
12	Dale Electronics (Sub. of Hathaway Ins. Inc.)	Columbus, Nebraska
13	Dialight Corp.	Brooklyn, N. Y.
14	Elco Manufacturing	Philadelphia, Pa.
15	Fansteel	No. Chicago, Ill.
16	General Electric	Syracuse, N. Y.
17	General Instrument	Newark, N. J.
18	General Transistor	Los Angeles, Calif
19	Herman H. Smith	Brooklyn 10, N. Y.
20	Hoffman	El Monte, Calif.
21	Little Fuse Inc.	Des Plaines, Ill.
22	Motorola	Phoenix, Ariz.
23	NJE Corporation	20 Boright Avenue, Kenilworth, N. J.
24	North Amer. Elec. (Affiliate of I. R. C.)	West Lynn, Mass.

(List of Code Numbers used in Spare Parts List To Indicate Manufacturer cont'd)

Code Number	Manufacturer	Location
25	Ohmite	Skokie, Ill.
26	Philco	Lansdale, Pa.
27	Pyramid Elec. Co. (Div. of Gen. Inst.)	Darlington, S. C.
28	Rotron	Woodstock, N. Y.
29	Solitron	Norwood, N. J.
30	Spectrol	San Gabriel, Calif.
31	Sprague	North Adams, Mass.
32	Superior Electric Co.	Bristol, Conn.
33	Tru-Ohm (Model Eng.)	Chicago, Ill.
34	U. S. Semcor	Phoenix, Arizona
35	Westinghouse	Youngwood, Pa.
36	Standard Electric Co.	Dayton, Ohio
37	Stancor Electronics, Inc.	Chicago, Ill.
38	Jettron Products	Hanover, N. J.
39	Dickson Electronics Corp.	Scottsdale, Ariz.
40	Aerovox Corp.	New Bedford, Mass.
41	Radio Switch	Marlboro, N. J.
42	Radio Corp. of Amer. (Elec. Tube. Div.)	Harrison, N. J.
43	Cornell Dublier (Div. of Fed. Pacific Elec.)	Newark, N. J.
44	Chicago Cond. Corp.	Chicago, Ill.
45	Arco Electronics	Great Neck, N. Y.
46	International Resistance Co.	Philadelphia, Pa.
47	Amperex Electronics Corp.	Hicksville, N. Y.
48	Resistor Products Co.	Harrisburg, Pa.
49	Syntron Co.	Homer City, Pa.
50	Amphenol Connector (Div. of Amphenol-Borg)	Chicago, Ill.
51	Continental-Wirt.	Philadelphia, Pa.
52	Royal Electric Corp.	Pawtucket, R. I.

List of Code Numbers used in replaceable Parts List To Indicate Manufacturer (Continued)

Code Number	Manufacturer	Location
53	National Resistance Co.	Pearl River, N. J.
54	Radio Switch Corp (formerly Communication Prods Co. Inc.	Marlboro, N. J.
55	G. V. Control Inc.	Livingston, N. J.
56	Harvey Hubbell Inc.	Bridgeport, Conn.
57	Howard Industries	Festos, Mo.
58	Stevens Mfg.	Mansfield, Ohio
59	Vemaline Products Co.	Franklin Lakes, N. J.
60	Delco Radio, (Div General Motors Corp)	Kokomo, Indiana
61	Rogan Brothers, Inc.	Skokie, Ill.
62	Milton Ross Metals Co.	Hatboro, Pa.
63	Pirtcher Corp.	Moniterey Park, Col.
64	Cambridge Thermionics Corp.	Cambridge 38, Mass.
65	U. S. Engineering Co. Div of Litton Industries	Mount Vernon, N. Y.
66	Augut Bros Inc.	Atteboro, Mass.
67	Bourns, Inc.	Riverside, Calif.
68	Chicago Standard Trans Co.	Chicago, Ill.
69	Cutler-Hammer Inc.	Milwaukee, Wisc.
70	Allied Control Co., Inc.	New York 21, New York
71	The Rowan Controller Co.	Baltimore, Md.
72	Kurman Electric Co. (Sub. Crescent Petroleum Corp.	Brooklyn, N. Y
73	Arco Electronics, Inc. Elemenoo	New York, N. Y.
74	Texas Instrument Inc.	Dallas, Texas
75	Mallory & Co.	Indianapolis, Ind.

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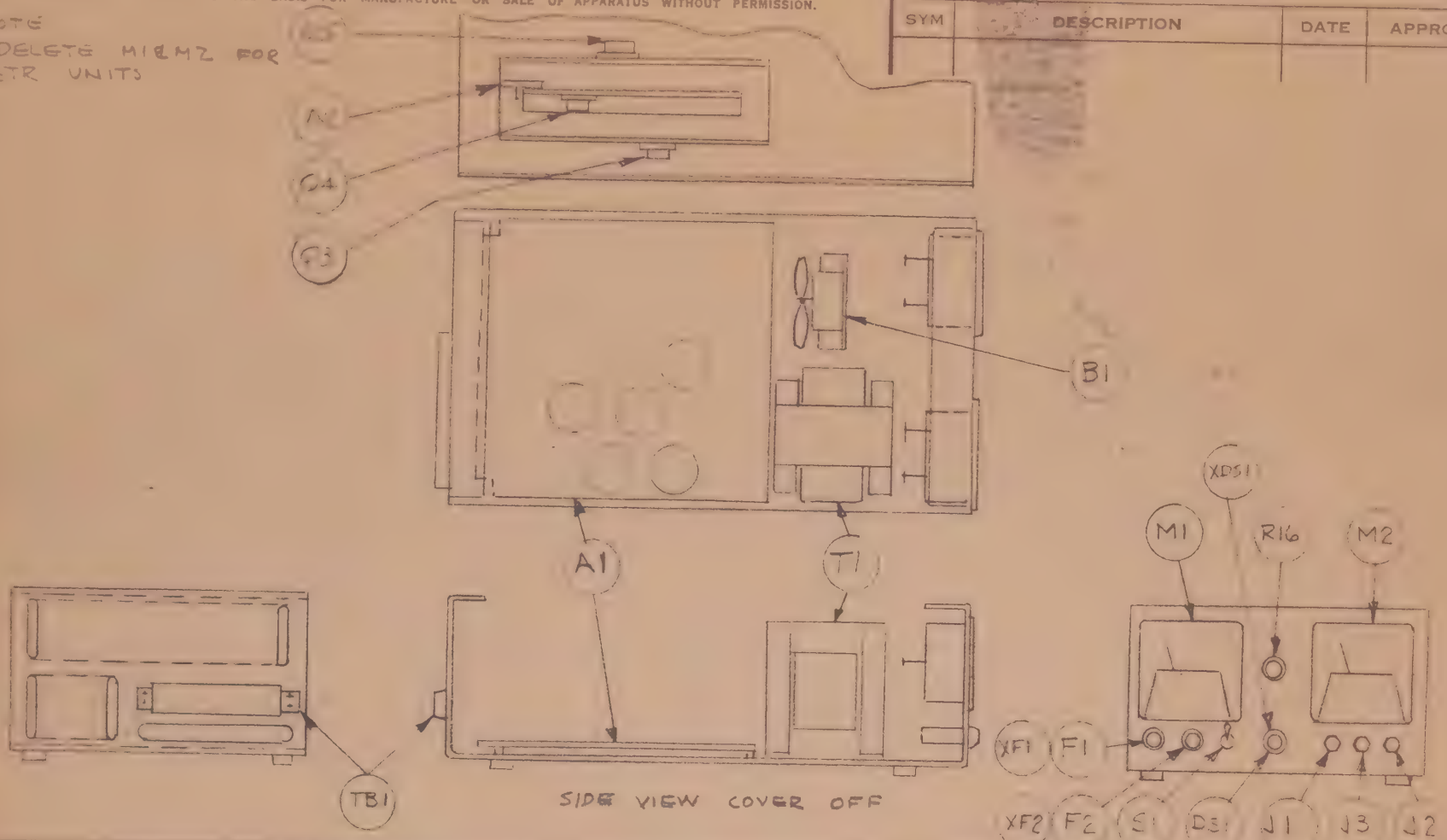
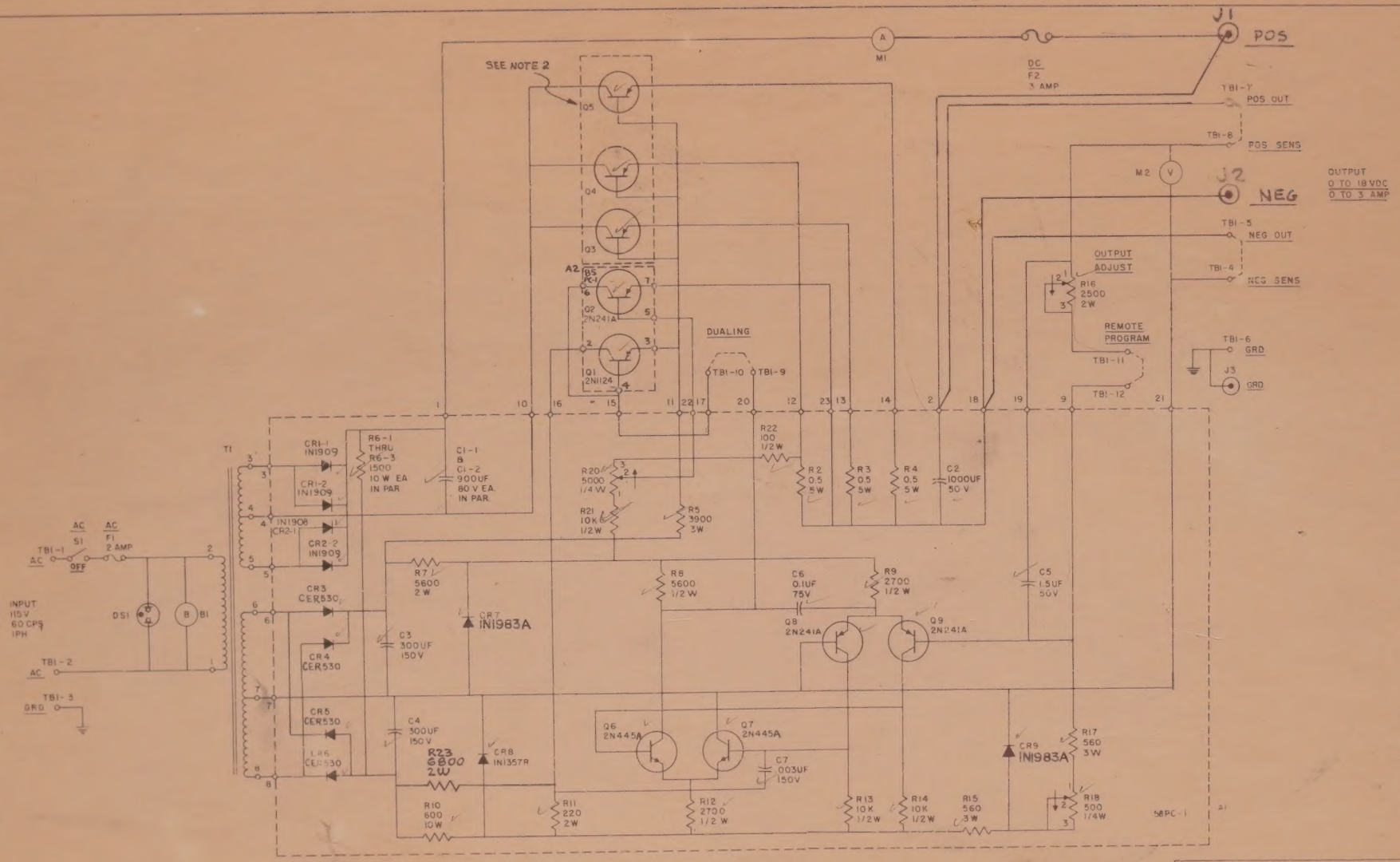
NOTE
1) DELETE M1&M2 FOR ETR UNITS

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



SIDE VIEW COVER OFF

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	DRAFTSMAN EJ	DATE 3/27/17	TITLE PARTS PLACEMENT TR LINE ETR LINE	NJE CORPORATION KENILWORTH, N.J. CODE IDENT. NO. 98380
MATERIAL —	DESIGNER EJ	3/29/17		
PROTECTIVE FINISH —	CHECKER	4/4/17		DWG SIZE A — 101531
	ENGINEER			
	APPROVED			SH OF
	DO NOT SCALE DWG		SCALE —	WT —



NOTES
1. ALL WIRE NO. 20 AWG UNLESS OTHERWISE INDICATED.
2. Q3, Q4 & Q5 ARE NJE DWG 102325

NJE CORPORATION KENILWORTH, N. J.	
	MODEL TR-18-3B SCHEMATIC DIAGRAM

REV A SC 8/11/62
REV B PO 11-5-62

101952

MANUFACTURERS REPRESENTATIVES

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REgent 9-5517

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BR 8-6350

San Francisco, Calif.

G. S. Marshall Company
801 Woodside Rd., Redwood City, Calif.
EMerson 6-8214

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Burt C. Porter Company
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EAst 3-8330

Syracuse, N. Y.

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514 University Bldg., Syracuse, N. Y.
GRanite 4-7409

Washington, D.C.

Burlingame Associates, Ltd.
8218 Wisconsin Ave., N.W., Washington 14, D.C.
OLiver 4-6400

Winston-Salem, N.C.

M. J. McDonald Co.
Whippoorwill Drive, Rt. 1, Pfafftown, N. C.
WAbash 4-2182

OUR WARRANTY: N J E Corp. warrants each power supply manufactured by them to be free from defects in material and workmanship. Our liability under this warranty is limited to servicing or adjusting any instrument returned to the factory for that purpose and to replacing any defective parts thereof, except tubes, semi-conductors and fuses. This warranty is effective for one year after delivery to the original purchaser when the instrument is returned, transportation charges prepaid by the original purchaser, and which upon our examination is disclosed to our satisfaction to be defective. If the fault has been caused by misuse or abnormal conditions of operation, repairs will be billed at cost. In this case, an estimate will be submitted before the work is started. Written permission must be obtained from the factory, before a supply may be returned for examination.

NJE CORPORATION
Electronic Development & Manufacturing
Kenilworth, New Jersey • BRidge 2-6000
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